

CLAIMS

1. A digital audio device for outputting information recorded on a recording medium as audio data in compliance with a predetermined standard, comprising:

5 a track boundary detection section for detecting an audio track boundary based on information recorded on the recording medium;

 a track boundary data production section for producing track boundary data indicating the audio track boundary detected by the track boundary detection section; and

10 an auxiliary information production section for producing auxiliary information by adding a control code as specified in the predetermined standard to the track boundary data produced by the track boundary data production section,

 wherein audio data obtained from the recording medium is output with the auxiliary information produced by the auxiliary information production section being superimposed thereon.

2. The digital audio device of claim 1, wherein:

15 the digital audio device comprises an audio data reproduction section including the track boundary data production section and the auxiliary information production section for reproducing, from information recorded on the recording medium, audio data in compliance with the predetermined standard;

20 the track boundary detection section outputs a predetermined signal when the audio track boundary is detected; and

 when the predetermined signal is received from the track boundary detection section, the audio data reproduction section produces the auxiliary information and superimposes the auxiliary information on the reproduced audio data.

3. The digital audio device of claim 1, wherein:

25 the digital audio device comprises an audio data reproduction section including the auxiliary information production section for reproducing, from information recorded on

the recording medium, audio data in compliance with the predetermined standard; and

when the track boundary data produced by the track boundary data production section is received, the audio data reproduction section produces the auxiliary information and superimposes the auxiliary information on the reproduced audio data.

5 4. The digital audio device of claim 1, wherein:

the digital audio device comprises an audio data reproduction section for reproducing, from information recorded on the recording medium, audio data in compliance with the predetermined standard; and

the audio data reproduction section receives the auxiliary information produced by the auxiliary information production section and superimposes the auxiliary information on the reproduced audio data.

10 5. A digital audio device for outputting information recorded on a recording medium as audio data in compliance with a predetermined standard,

15 wherein the digital audio device produces, from information recorded on the recording medium, auxiliary information in compliance with the predetermined standard indicating an audio track boundary, and superimposes the auxiliary information on audio data reproduced from information recorded on the recording medium.

6. An audio data output method for outputting information recorded on a recording medium as audio data in compliance with a predetermined standard, comprising:

20 a track boundary detection step of detecting an audio track boundary based on information recorded on the recording medium;

an auxiliary information production step of producing auxiliary information in compliance with the predetermined standard indicating the audio track boundary detected in the track boundary detection step;

25 an audio data reproduction step of reproducing, from information recorded on the recording medium, audio data in compliance with the predetermined standard; and

an auxiliary information superimposition step of superimposing the auxiliary information produced in the auxiliary information production step on the audio data reproduced in the audio data reproduction step,

5 whereby audio data having been processed in the auxiliary information superimposition step is output.